## CIP/PCT NATIONAL/PLANT ORIGINAL/SUBSTITUTE/SUPPLEM DECLARATIONS DECLARATIONS

## DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLY TION IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the <a href="INVENTION ENTITLED">INVENTION ENTITLED</a> THERMAL GRADIENT ENHANCED

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and if applicable to U.S	or PCT applic	ation) was amended (	on o above identifi	ed specification, includ	ing the claims as	amended by any	amendment referr	ed to
above. I acknowledge the foreign priority benefits und Application which designate certificate, or PCT Internation the application on which priority is a series of the priority of the priority of the priority is according to the priority of the priority	duty to disclose a er 35 U.S.C. 119 ed at least one otl onal Application, f	Il information known to m (a)-(d) or 365(b) of any for ner country than the United filed by me or my assigne	e to be materia preign application and States, listed are disclosing the	Il to patentability as de on(s) for patent or inver Il below and have also e subject matter claime	ined in 37 C.F.R. ntor's certificate, o identified below a ed in this applicati	1.56. Except as i or 365(a) of any Pe iny foreign applica	noted below, I here CT International ition for patent or in	by claim
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I hereby declare that all sta-	tements made he	rein of my own knowleda	e are true and	that all statements mad	de on information	and belief are bel	ieved to be true; ar	nd
further that these statement Section 1001 of Title 18 of the	s were made with he United States	i the knowledge that willf Code and that such willfi	ul false stateme ul false stateme	ents and the like so ma ents may jeopardize the	de are punishable validity of the a	e by fine or impris pplication or any p	onment, or both, un atent issued there	nder on.
communications are to be of transact all business in the of persons no longer with the sends/sent this case to their and/or a below attorney in value. N. Kokulis G. Lloyd Knight George M. Sirilla Donald J. Bird Dale S. Lazar Glenn J. Perry	Patent and Trade leir firm and to ac m and by whom/w vriting to the conti- 16773 G 17698 D 18221 M 25323 S 28872 R	mark Office connected the and rely on instructions which I hereby declare the rary.  I. Paul Edgell avid A. Jakopin lark G. Paulson tephen C. Glazier lichard H. Zaitlen loger R. Wise	nerewith and wi from and commat I have conser 24238 32995 30793 31361 27248 31204	th the resulting patent, nunicate directly with t	and I hereby aut ne person/assign	norize them to del ee/attorney/firm/ o ed unless/until I in Robert J. W Brian J. Be John Jobe Mark C. Pio David H. Ja	ete names/number rganization who/wl struct the above File Valters atus ckering affer etherell	s below nich first
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(2) INVENTOR'S SIGNA		anu	- X	Brors	Date:	15/0		_
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## CIP/PCT NATIONAL/PLANT ORIGINAL/SUBSTITUTE/SUPPLE **DECLARATIONS**

## **DECLARATION AND POWER OF ATTORNEY** FOR PATENT APPL IN THE UNITED STATES PATENT A

TION RADEMARK OFFICE

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the <a href="INVENTION ENTITLED">INVENTION ENTITLED</a> THERMAL GRADIENT ENHANCED

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and (if applicab	le to U.S. or PCT	application) was amend	ed on						
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above. I acknowle	edge the duty to disc	close all information known	to me to be materia	I to patentability as de	efined in 37 C.I	F.R. 1.56. Excer	ot as noted below, I	hereby claim	
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Application which	designated at least	one other country than the	United States, listed	below and have also	o identified belo	ow any foreign ap	oplication for patent	or inventors	
		ation, filed by me or my ass med, or (2) if no priority clai				ication and navir	ig a liling date (1) b	elore that or	
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And I hereby appo	int Pillsbury Winthro	p LLP, Intellectual Property	Group, 1600 Tyso	ns Boulevard, McLea	n. VA 22102, te	elephone numbe	r (703) 905-2000 (tr	o whom all	
communications a	re to be directed), a	nd the below-named persor	ns (of the same add	ress) individually and	collectively my	y attorneys to pro	secute this applica	tion and to	
trลิกัรact all busine	ss in the Patent and	Trademark Office connecte	ed therewith and wit	th the resulting patent	t, and I hereby	authorize them t	to delete names/nur	mbers below	
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Paul N. Kokulis	16773	•		Jack S. Barufka				38825	
Grafloyd Knight		•	32995	Adam R. Hess			J. Beatus		
George M. Sirilla			30793	William P. Atkins		3821 John J		28429	
Donald J. Bird	25323		31361	Paul L. Sharer			C. Pickering	36239	
Dale S. Lazar	28872		27248	Robin L. Teskin			H. Jaffer	32243	
Glenn J. Perry	28458	Roger R. Wise	31204	Anthony L. Miele	34		R. Wetherell	31678	
						Stever	n Moore	35959	
(1) INVENTOR	S SIGNATURE:				Date:				
(1) HEVELVIOR			C.	Cook	Dutc.				
	Robert			COOK					
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